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Chi-Ting Chen

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EXAMINER

AMAYA, CARLOS DAVID

ART UNIT

PAPER NUMBER

2836

DATE MAILED: 05/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/736,066

Applicant(s)

CHEN, CHI-TING

Examiner

Carlos Amaya

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 12/15/2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-9 and 11-16 is/are rejected.
- 7) ☒ Claim(s) 2 and 10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/15/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,3-5,7-9,11-13,15-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Furukawa (US 6,243,022).

With respect to claim 1 Furukawa discloses an anti-theft device for an automobile (Function keys performed security operations, Column 3 lines 39-42) comprising: a base module (Vehicle communication module 30 Figure 2); and a remote controller (Remote control device 10 Figure 1) operable so as to transmit control signals that are to be received by said base module for controlling operation of said base module (Column 3 lines 20-23), said remote controller including a casing (Housing 12 Figure 1), a command transmit key mounted on said casing (Function keys 14a-14d Figure 1), a controller circuit disposed in said casing, and including a processor unit coupled to said command transmit key (CPU 22 has the function of a controller circuit and that of a processor), and a transmitter (RF transceiver 26) unit coupled to and controlled by said processor unit so as to transmit the control signals wirelessly (Figure 1 shows the CPU 22 connected to transceiver 26 to communicate wirelessly with the module 30), said processor unit controlling said transmitter unit so as to transmit the control signals according to mode of activation of said command transmit key (Function keys 14a-14d

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control certain operation of the vehicle 20, functions of the keys are processed by CPU 20 and then transmitted to the module 30), and an indicator unit (Display 16, Buzzer 28, Column 3 lines 60-63) connected electrically to and controlled by said processor unit to provide an indication immediately after activation of said command transmit key for a predetermined activation time period (Once a function key 14a-14d is depressed the module 30 begins to performs the operation and an ACK signal is sent to the remote control 10, once the operation is completed the user is notified via the display 16 or the buzzer 28, Column 7 lines 54-61, Column 8 lines 10-20).

With respect to claim 3 Furukawa discloses the anti-theft device as claimed in Claim 1, wherein said processor unit receives from said command transmit key a first signal having a first duration when said command transmit key is activated for a first activation time period (Function keys 14a-14d as disclose are used for multiple functions; depressing it once transmit a first signal to the CPU and to the vehicle module), and a second signal (Depressing the function key again transmits a second signal, the function key is depressed for a longer time than for the first signal) having a second duration longer than the first duration when said command transmit key is activated for a second activation time period that is longer than the first activation time period and that is equal to the predetermined activation time period (Column 7 lines 21-25).

With respect to claim 4 Furukawa discloses the anti-theft as claimed in claim 1, wherein said command transmit key is a push-button switch (Figure 1 shows Function keys 14a-14d as push bottoms switch, Column 7 lines 21-22).

With respect to claim 5 Furukawa discloses the anti-theft device as claimed in Claim 1, wherein said indicator unit includes a light-emitting diode (Display 16 consist of many light-emitting diode as it is well known in the art).

With respect to claim 7 and 8 Furukawa discloses the anti-theft device as claimed in claim 1, wherein said indicator unit includes a buzzer (Buzzer 28).

With respect to claim 9 Furukawa discloses a remote controller operable so as to transmit control signals that are to be received by a base module of an anti-theft device for an automobile so as to control operation of the base module (Remote control 10 sends signals to the base module 30 located on a vehicle to performed certain operations), said remote controller comprising: a casing (Housing 12 Figure 1); a command transmit key (Function keys 14a-14d Figure 1) mounted on said casing; a controller circuit disposed in said casing, and including a processor unit (CPU 22 has the function of a controller circuit and that of a processor) coupled to said command transmit key, and a transmitter (RF transceiver 26) unit coupled to and controlled by said processor unit so as to transmit the control signal wirelessly (Figure 1 shows the CPU 22 connected to transceiver 26 to communicate wirelessly with the module 30), said processor controlling said transmitter unit so as to transmit the control signals according to mode of activation of said command transmit key (Function keys 14a-14d control certain operation of the vehicle 20, functions of the keys are processed by CPU 20 and then transmitted to the module 30); and an indicator unit (Display 16, Buzzer 28, Column 3 lines 60-63) connected electrically to and controlled by said processor unit to provide an indication immediately after activation of said command transmit key for a

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predetermined activation time period (Once a function key 14a-14d is depressed the module 30 begins to performs the operation and an ACK signal is sent to the remote control 10, once the operation is completed the user is notified via the display 16 or the buzzer 28, Column 7 lines 54-61, Column 8 lines 10-20).

With respect to claim 11 Furukawa discloses the remote controller as claimed in claim 9, wherein said processor unit receives from said command transmit key a first signal having a first duration when said command transmit key is activated for a first activation time period (Function keys 14a-14d as disclose are used for multiple functions; depressing it once transmit a first signal to the CPU and to the vehicle module), and a second signal (Depressing the function key again transmits a second signal, the function key is depressed for a longer time than for the first signal) having a second duration longer than the first duration when said command transmit key is activated for a second activation time period that is longer than the first activation time period and that is equal to the predetermined activation time period (Column 7 lines 21-25).

With respect to claim 12 Furukawa discloses the remote controller as claimed in claim 9, wherein said command transmit key is a push-button switch (Figure 1 shows Function keys 14a-14d as push bottoms switch, Column 7 lines 21-22).

With respect to claim 13 Furukawa discloses the remote controller as claimed in Claim 9, wherein said indicator unit includes a light-emitting diode (Display 16 consist of many light-emitting diode as it is well known in the art for visually present a result).

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With respect to claims 15 and 16 Furukawa discloses the remote controller as claimed in claim 9, wherein said indicator unit includes a buzzer (Buzzer 28).

***Claim Rejections – 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6, 14 rejected under 35 U.S.C. 103(a) as being unpatentable over Furukawa (US 6,243,022) in view of Flick (US 6,771,167).

With respect to claims 6 and 14 Furukawa in view of Flick disclose the anti-theft device/remote controller as claimed in claim 1 and 9. Furukawa, however, does not disclose expressly that the indicator includes a vibrator motor.

Flick discloses a vehicle portable remote controller, combination unit 40 with indication to provide a user with signals relating to security of the vehicle. The combination unit includes a vibrator 45 for giving tactile indication to the user, and an alphanumeric display 33' as shown in figure 2.

It would have been obvious to one of ordinary skill in the art at time the invention was made to have included a vibrator motor as disclosed by Flick in Furukawa's invention.

The suggestion or motivation for doing so would have been to provide a user with more alternatives for indication, such as tactile indication.

***Allowable Subject Matter***

5. Claims 2 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. Claims 2 and 10 are allowable because the prior art of record does not suggest "a consecutive pair of the second pulses which corresponds to two successive activations of said command transmit key each for the second activation time period, and which is to be translated by the base module into a third control command, wherein the second activation time period is equal to the predetermined activation time period, and the second pulse has a pulse duration longer than that of the first pulse". Along with the other features of the claims.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to the examiner's supervisor, Brian Sircus who can be reached on (571)272-2800. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CA



**CHAU N. NGUYEN**  
**PRIMARY EXAMINER**